

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 December 2004 (29.12.2004)

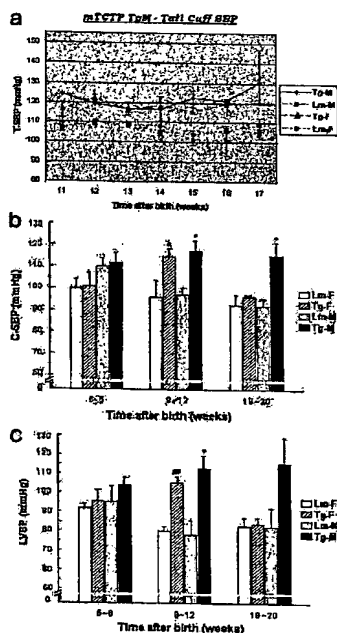
PCT

(10) International Publication Number
WO 2004/113572 A1

- (51) International Patent Classification⁷: **C12Q 1/68**
- (21) International Application Number: **PCT/KR2004/001435**
- (22) International Filing Date: **16 June 2004 (16.06.2004)**
- (25) Filing Language: **Korean**
- (26) Publication Language: **English**
- (30) Priority Data:
10-2003-0040519 21 June 2003 (21.06.2003) KR
10-2004-0043909 15 June 2004 (15.06.2004) KR
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: COMPOSITION FOR SCREENING ANTI-HYPERTENSION DRUG COMPRISING MAMMAL TCTP GENE OR ITS PROTEIN PRODUCT, AND METHOD FOR SCREENING ANTI-HYPERTENSION DRUG USING SAID COMPOSITION



(57) Abstract: The present invention relates to a composition for screening antihypertensive drugs, which contains a mammalian TCTP gene or a protein expressed therefrom, as well as a method for screening antihypertensive drugs using the composition. TCTP contained in the inventive composition acts as a cytoplasmic inhibitor of the Na/K ATPase pump, thus causing hypertension and heart hypertrophy. Therefore, the inventive composition and the screening method using the same will be useful for the investigation and development of antihypertensive drugs. Furthermore, the inventive TCTP-overexpressing transgenic mice shows hypertension or heart hypertrophy as a phenotype. Thus, the inventive transgenic mice will be useful in screening test substances developed for the treatment and improvement of hypertension and heart hypertrophy, by administering the test substance to the transgenic mice and observing the extent of treatment and improvement.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

— with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

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